

EX04-059patentin.txt  
SEQUENCE LISTING

&lt;110&gt; EXELIXIS, INC.

&lt;120&gt; MELKS AS MODIFIERS OF THE RAC PATHWAY AND METHODS OF USE

&lt;130&gt; EX04-059C-PC

&lt;150&gt; US 60/495,193

&lt;151&gt; 2003-08-14

&lt;160&gt; 6

&lt;170&gt; PatentIn version 3.2

&lt;210&gt; 1

&lt;211&gt; 2470

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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## EX04-059patentin.txt

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## EX04-059patentin.txt

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## EX04-059patentin.txt

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## EX04-059patentin.txt

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## EX04-059patentin.txt

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## EX04-059patentin.txt

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Arg His Gln His Ile Cys Gln Leu Tyr His Val Leu Glu Thr Ala Asn  
 65 70 75 80

Lys Ile Phe Met Val Leu Glu Tyr Cys Pro Gly Gly Glu Leu Phe Asp  
 85 90 95

Tyr Ile Ile Ser Gln Asp Arg Leu Ser Glu Glu Glu Thr Arg Val Val  
 100 105 110

Phe Arg Gln Ile Val Ser Ala Val Ala Tyr Val His Ser Gln Gly Tyr  
 115 120 125

Ala His Arg Asp Leu Lys Pro Glu Asn Leu Leu Phe Asp Glu Tyr His  
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Lys Leu Lys Leu Ile Asp Phe Gly Leu Cys Ala Lys Pro Lys Gly Asn  
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## EX04-059patentin.txt

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 Leu Ala Lys Lys Ala Arg Gly Lys Pro Val Arg Leu Arg Leu Ser Ser  
                                  325                      330                      335  
 Phe Ser Cys Gly Gln Ala Ser Ala Thr Pro Phe Thr Asp Ile Lys Ser  
                                  340                      345                      350  
 Asn Asn Trp Ser Leu Glu Asp Val Thr Ala Ser Asp Lys Asn Tyr Val  
                                  355                      360                      365  
 Ala Gly Leu Ile Asp Tyr Asp Trp Cys Glu Asp Asp Leu Ser Thr Gly  
                                  370                      375                      380  
 Ala Ala Thr Pro Arg Thr Ser Gln Phe Thr Lys Tyr Trp Thr Glu Ser  
                                  385                      390                      395                      400  
 Asn Gly Val Glu Ser Lys Ser Leu Thr Pro Ala Leu Cys Arg Thr Pro  
                                  405                      410                      415  
 Ala Asn Lys Leu Lys Asn Lys Glu Asn Val Tyr Thr Pro Lys Ser Ala  
                                  420                      425                      430                      435                      440



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430

Val Lys Asn Glu Glu Tyr Phe Met Phe Pro Glu Pro Lys Thr Pro Val  
 435 440 445

Asn Lys Asn Gln His Lys Arg Glu Ile Leu Thr Thr Pro Asn Arg Tyr  
 450 455 460

Thr Thr Pro Ser Lys Ala Arg Asn Gln Cys Leu Lys Glu Thr Pro Ile  
 465 470 475 480

Lys Ile Pro Val Asn Ser Thr Gly Thr Asp Lys Leu Met Thr Gly Val  
 485 490 495

Ile Ser Pro Glu Arg Arg Cys Arg Ser Val Glu Leu Asp Leu Asn Gln  
 500 505 510

Ala His Met Glu Glu Thr Pro Lys Arg Lys Gly Ala Lys Val Phe Gly  
 515 520 525

Ser Leu Glu Arg Gly Leu Asp Lys Val Ile Thr Val Leu Thr Arg Ser  
 530 535 540

Lys Arg Lys Gly Ser Ala Arg Asp Gly Pro Arg Arg Leu Lys Leu His  
 545 550 555 560

Tyr Asn Val Thr Thr Thr Arg Leu Val Asn Pro Asp Gln Leu Leu Asn  
 565 570 575

Glu Ile Met Ser Ile Leu Pro Lys Lys His Val Asp Phe Val Gln Lys  
 580 585 590

Gly Tyr Thr Leu Lys Cys Gln Thr Gln Ser Asp Phe Gly Lys Val Thr  
 595 600 605

Met Gln Phe Glu Leu Glu Val Cys Gln Leu Gln Lys Pro Asp Val Val  
 610 615 620

Gly Ile Arg Arg Gln Arg Leu Lys Gly Asp Ala Trp Val Tyr Lys Arg  
 625 630 635 640

Leu Val Glu Asp Ile Leu Ser Ser Cys Lys Val  
 645 650